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# Weapons Production Overview

Dave Eyler

Associate Laboratory Director  
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April 22, 2021



# Who do we serve?

## Nuclear Deterrence



## Energy and Space



## Homeland Security



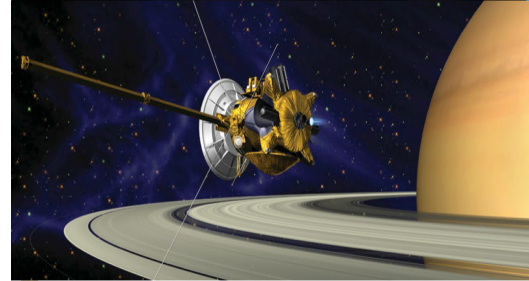
## Industry





# Supporting U.S. Nuclear Policy and Objectives

- Preventing nuclear proliferation and nuclear terrorism
- Maintaining strategic deterrence and stability at reduced nuclear force levels
- Modernizing and refurbishing nuclear warhead to maintain their safety, security, and reliability
- Sustaining a safe, secure, and effective nuclear arsenal



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# We are the Nation's Plutonium Center of Excellence



**Pu Manufacturing**



**Pit  
Certification**



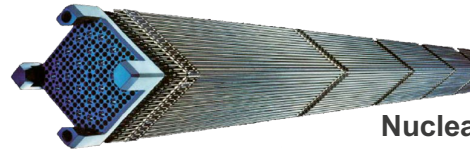
**The Cornerstone: Plutonium Facility, PF-4  
(Mission Operations and Supports)**



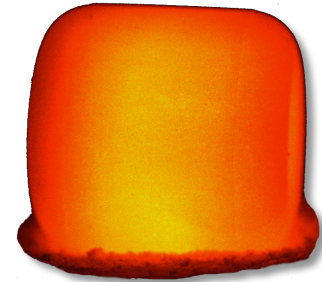
**Materials  
Disposition**



**Plutonium  
Storage**



**Nuclear Energy**



**Pu-238**



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# Mission Scope

LANL is committed to developing and maintaining a robust workforce with the expertise and skills necessary to meet the Weapons Production expanded mission, which includes the human capital to produce 30 ppy in 2026 while meeting all other plutonium missions. LANL will identify, recruit, hire, train, and retain a workforce to:

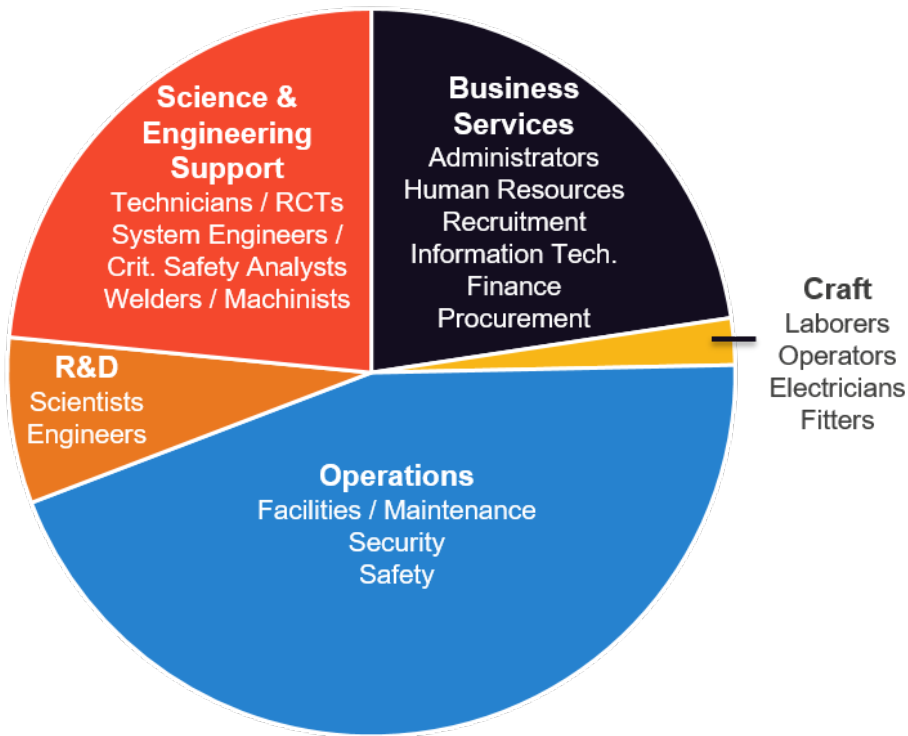
- Produce 30 ppy while delivering on all plutonium missions
- Maintain nuclear and high-hazard facilities and the associated utilities and infrastructure
- Manage environmental protection, safety, quality, and security programs and requirements
- Manage the disposition of TRU waste onsite and its shipment to WIPP
- Provide business, IT, and other support services
- Complete infrastructure investments projects and activities
- Accomplish growing portfolio of non-nuclear production missions



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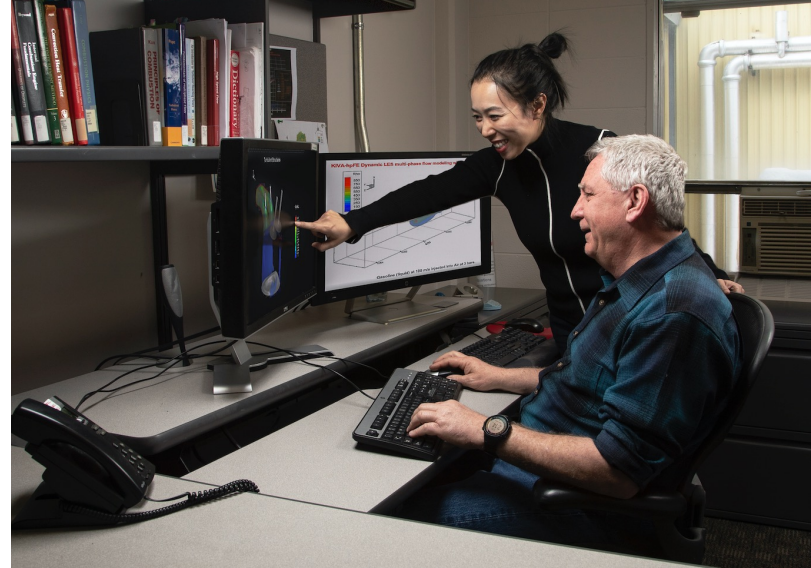
# Human resource needs over time





# What we need

- **Recruit.** Recruit and hire the staff to meet the substantial staffing increase identified.
- **Train.** Worker training and qualification are fundamental to ensuring safe and secure nuclear facility operations.
- **Retain.** Retention of the workforce is critical to reduce costs associated with attrition and alleviate impacts to program execution.



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